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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,647	10/06/2003	Takashi Tokutani	1503.68508	3934

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Patrick G. Burns, Esq.
GREER, BURNS & CRAIN, LTD.
Suite 2500
300 South Wacker Dr.
Chicago, IL 60606

EXAMINER	
PICH, PONNOREAY	

ART UNIT	PAPER NUMBER
2135	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/679,647	TOKUTANI ET AL.	
	Examiner	Art Unit	
	PONNOREAY PICH	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 January 2008*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-10* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-10* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/24/08 has been entered.

Any well known art statements/official notices made in the prior office action that was not adequately or specifically traversed is taken as admittance of prior art as per MPEP 2144.03.

Response to Amendment and Arguments

Applicant's amendments were fully considered. Applicant's arguments directed at the amended claims were also fully considered, but were not persuasive.

Applicant argues that Hurst fails to disclose the amended limitations "wherein the encrypted private data is encrypted using a common key cryptosystem, and wherein the encrypted private data use license is encrypted using a public key cryptosystem". The examiner respectfully disagrees.

As per the limitation of wherein the encrypted private data is encrypted using a common key cryptosystem, Hurst discloses it in paragraph 36. The content for delivery disclosed in paragraph 36 is equivalent to the private data referred to in claims 1 and 10. Hurst discloses that the entire package of content and its metadata is encrypted via use of a symmetric encryption key 5. Use of a symmetric encryption key to encrypt the

content means that the cryptosystem used to secure the content/private data is a common key cryptosystem.

As per the limitation of wherein the encrypted private data use license is encrypted using a public key cryptosystem, it is disclosed by Hurst in paragraph 37. Hurst discloses in the cited paragraph that the symmetric content key used to secure the content is encrypted in a license 7, i.e. the encrypted private data use license. Hurst discloses that an asymmetric encryption technique is used to secure the symmetric content key in the license. Asymmetric encryption is synonymous with use of a public key cryptosystem. As such, the license 7 is encrypted using a public key cryptosystem.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Hurst et al (US 2003/0007646).

Claims 1 and 10:

As per claim 1, Hurst discloses:

1. Receiving encrypted private data (paragraphs 19 and 36, i.e. encrypted content);
2. Receiving an encrypted private data use license (i.e. license 7, see Fig 2) which describes a decryption key (i.e. content key) for decrypting the encrypted private data, and a use condition (i.e. business rules/binding attributes) of the private data (paragraphs 19, 36-38, and 62);
3. Decrypting the decryption key and the private data use license (paragraph 62);
4. Determining whether or not a use purpose of the encrypted private data matches the use condition described in the private data use license (paragraph 62); and
5. Decrypting the encrypted private data by using the decrypted decryption key only if the use purpose of the encrypted private data matches the use condition (paragraph 62).
6. Wherein the encrypted private data is encrypted using a common key cryptosystem (paragraph 36). *A common key cryptosystem uses symmetric keys.*
7. Wherein the encrypted private data use license (i.e. license 7) is encrypted using a public key cryptosystem (paragraph 37). *Asymmetric encryption is a public key cryptosystem.*

Claim 10 recites limitations similar to what is recited in claim 1 and is rejected for substantially the same reasons. The difference is that claim 10 is directed towards a

computer readable storage medium storing a program which causes a computer to perform the method of claim 1.

Claim 2:

Hurst further discloses wherein the decryption key and the private data use license are encrypted and decrypted by using a DRM authentication technology (paragraphs 52 and 62).

Claim 3:

Hurst further discloses wherein a mechanism for decrypting the private data use license by using a DRM authentication technology is implemented as a Tamper Resistant Module (TRM) (paragraphs 46 and 61).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hurst et al US 2003/0007646) in view of Peinado et al (US 6,775,655).

Claim 4:

Hurst does not explicitly disclose the following limitation, but it is disclosed by Peinado: wherein the use condition of the private data use license includes at least any

of an expire date, a number of available times, a use purpose, and a number of move times of the private data use license (col 1, lines 50-58 and col 2, lines 61-67).

At the time applicant's invention was made, it would have been obvious to one skilled in the art to modify Hurst's invention according to the limitations recited in claim 4 in light of Peinado's teachings. One skilled would have been motivated to do so because Peinado discloses that content owners may wish to limit use of their digital content in the manners disclosed by Peinado (col 1, lines 50-58).

Claim 5:

Hurst further discloses wherein the use purpose includes a restriction on an application which uses the encrypted private data (paragraph 36).

Claims 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hurst et al US 2003/0007646) in view of Cooper et al (US 2001/0051996) further in view of Peinado et al (US 6,775,655) and further in view of applicant's admitted prior art, herein referred to as AAPA.

Claim 6:

Hurst discloses receiving the encrypted private data, and the encrypted private data use license which describes the decryption key for decrypting the encrypted private data, and the use condition of the encrypted private data (paragraphs 19, 36-38, and 62).

However, Hurst does not explicitly disclose the receiving is from a plurality of information entities. However, Cooper discloses receiving from a plurality of information entities (paragraph 253).

At the time applicant's invention was made, it would have been obvious to one skilled in the art to modify Hurst's invention such that the receiving is from a plurality of information entities. One skilled would have been motivated to do so because it would distribute network load amongst a plurality of locations, thus achieving load balancing and prevent any one information entity from being overloaded (Cooper: paragraph 253). Note that Cooper discloses that this is a widespread practice in the industry.

Hurst also does not explicitly disclose creating a name list license by concatenating a plurality of private data use licenses which have the same conditions; and creating a name list by concatenating encrypted private data which correspond to the private use licenses used to create the name list license.

However, Peinado discloses creating a name list license by concatenating a plurality of private data use licenses which have the same conditions (col 21, lines 3-23). At the time applicant's invention was made, it would have been obvious to one skilled in the art to further modify Hurst's invention using Peinado's teachings by creating a name list license by concatenating a plurality of private data use licenses which have same conditions. One skilled would have been motivated to do so because use of a name list license would prevent the need to search for and load multiple licenses for a digital content, thus accessing the digital content is more efficient.

Further, AAPA discloses that use of a play list was well known in the art at the time applicant's invention was made (as per MPEP 2144.03, this is admitted prior art). Creation of a content play list from encrypted media which requires licenses to play the media reads on creating a name list by concatenating encrypted private data which correspond to the private use licenses used to create the name list license. At the time applicant's invention was made, it would have been obvious to further modify Hurst's invention according to the limitations recited in claim 6. One skilled would have been motivated to do so because use of a play/name list allows a user to consecutively play multiple files without having to manually load each file.

Claim 7:

As per claim 7, Hurst further discloses wherein the encrypted private data can be decrypted with a decryption key possessed by an information entity that transmits the encrypted private data (paragraphs 57 and 62).

Claim 8:

As per claim 8, Cooper further discloses wherein if the private data is provided to a different information device, at least any one of a name, a type, a use purpose, an inquiry destination of an organization which manages a different information device to which the private data is provided, and a provided item list of a private data database is created for each information entity, and is disclosed to a corresponding information entity depending on need (paragraphs 17-19).

Note that Cooper discloses that when the content data is distributed, it is watermarked with the source of the content and identity of the user. Thus the above

limitation is met since in distributing the content data, it is provided to a different information device and a name (i.e. the identity of the source of the content and identity of the user) is created for each information entity and is disclosed to a corresponding information entity depending on need, i.e. via the watermark. The private data being encrypted private data is obvious over Hurst's teachings as previously discussed.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hurst et al US 2003/0007646) in view of Cooper et al (US 2001/0051996) further in view of Peinado et al (US 6,775,655) further in view of applicant's admitted prior art, herein referred to as AAPA, and further in view of Floyd et al (US 6,243,692).

Claim 9:

As per claim 9, Hurst does not explicitly disclose receiving corrected contents if a correction is made to at least one of the encrypted private data, and the private data use license which describes the decryption key for decrypting the encrypted private data, and the use condition of the encrypted private data; and transmitting the corrected contents to a different information device to secure sameness of the private data and the private data use license. However, Floyd discloses the limitation (col 5, lines 34-48).

At the time applicant's invention was made, it would have been obvious to one of ordinary skill in the art to further modify Hurst's invention according to the limitations

recited in claim 9 in light of Floyd's teachings. One skilled would have been motivated to do so because it would allow the end user to upgrade from one content module to another (col 5, lines 34-36).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PONNOREAY PICH whose telephone number is (571)272-7962. The examiner can normally be reached on 9:00am-4:30pm Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 571-272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ponnoreay Pich/
Examiner, Art Unit 2135